

FIG. IA

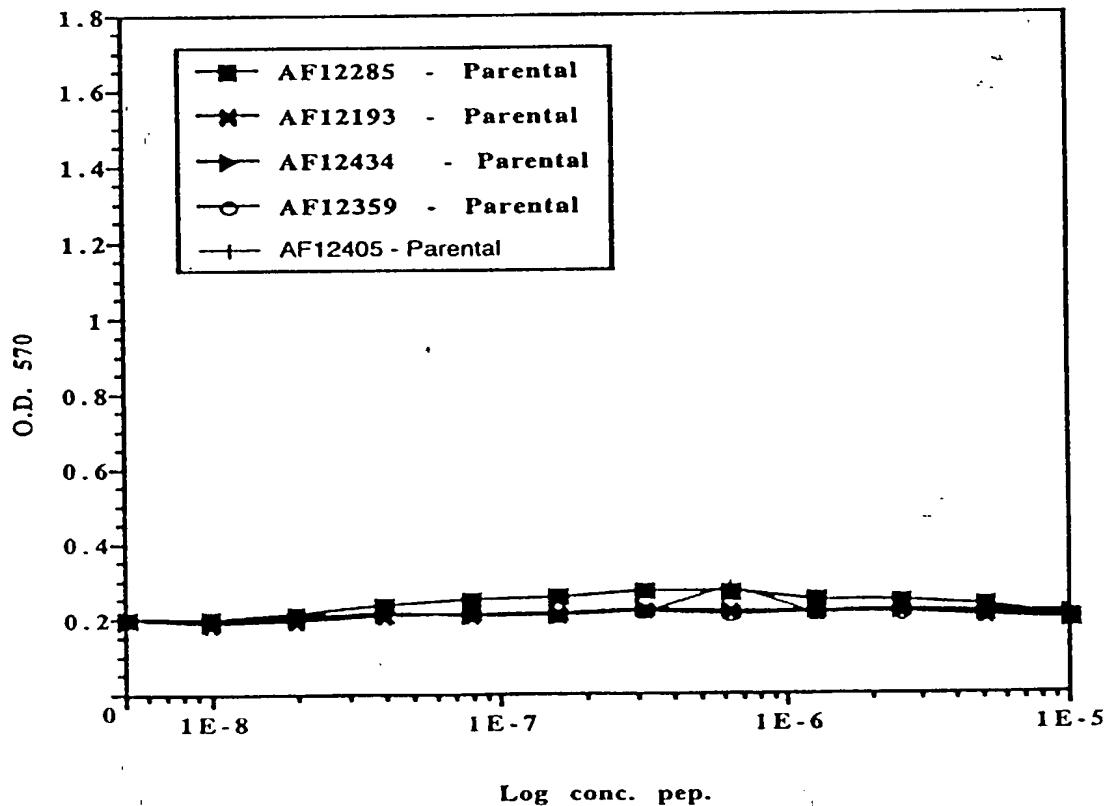


FIG. IB

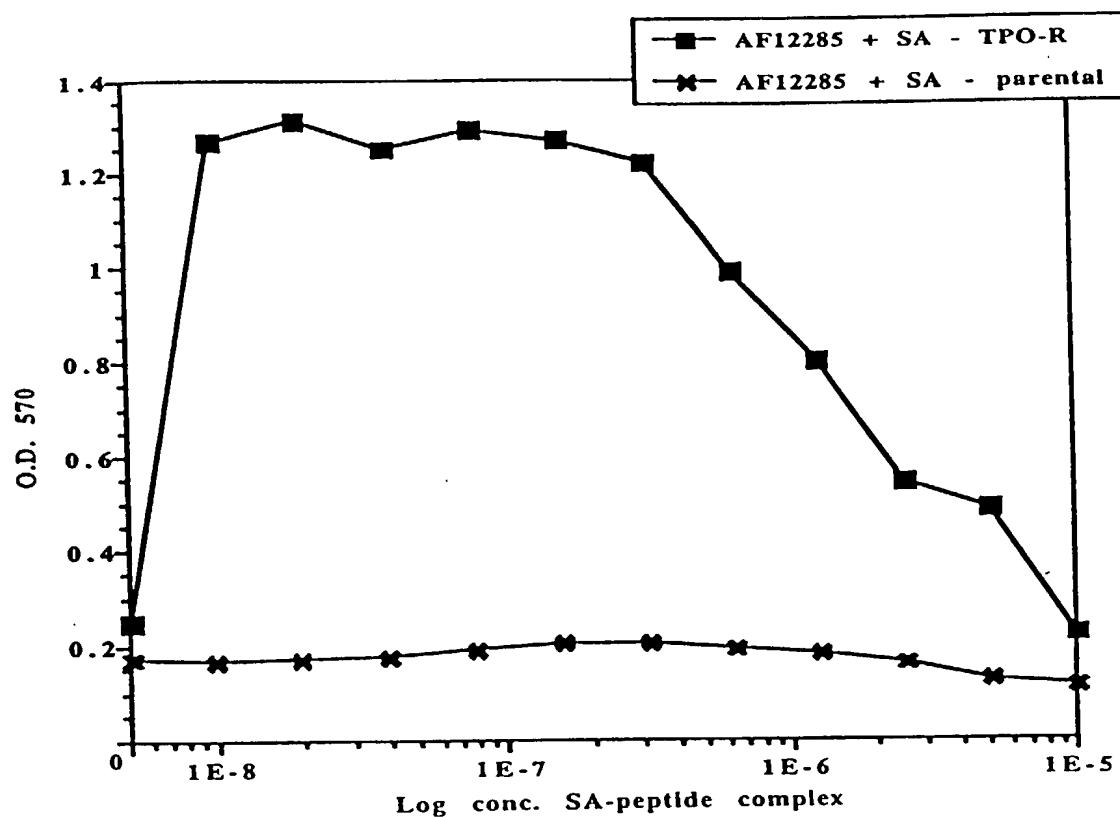


FIG. 2A

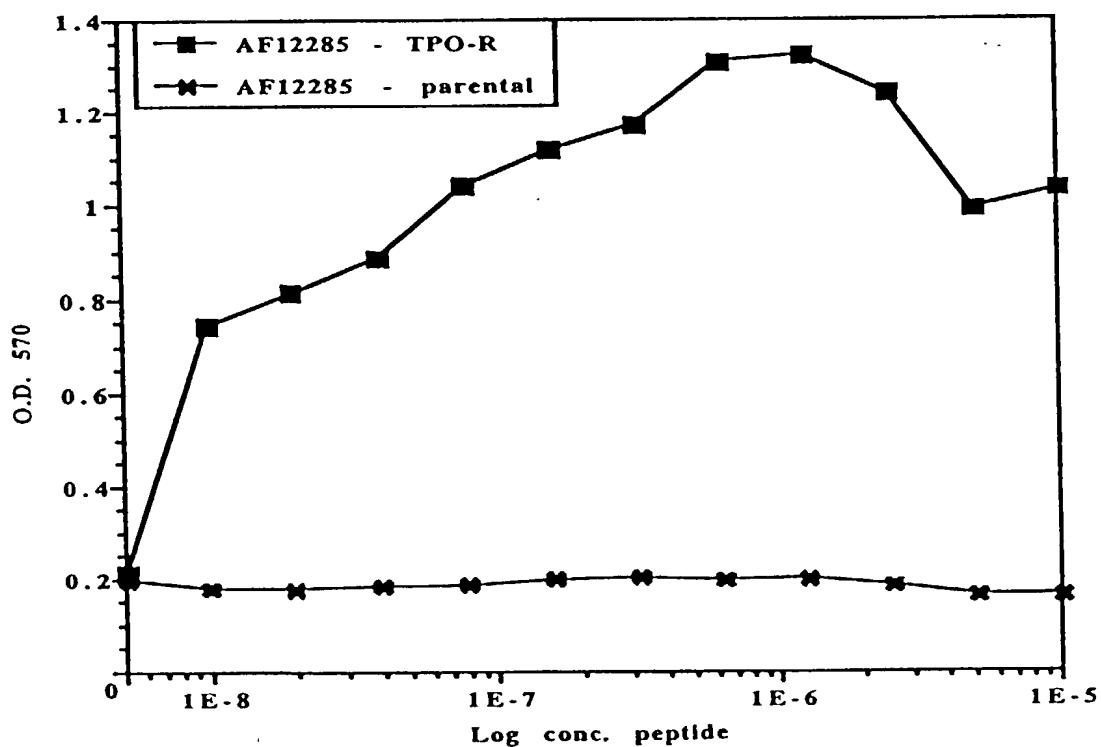
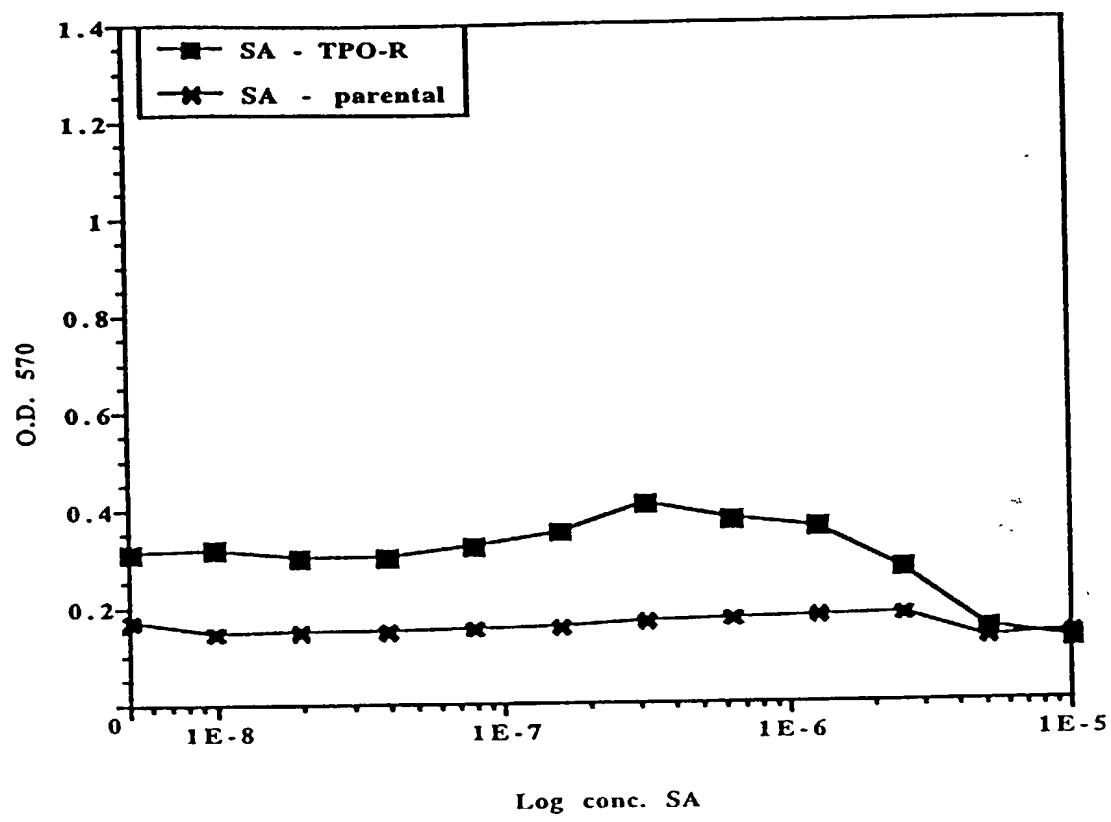


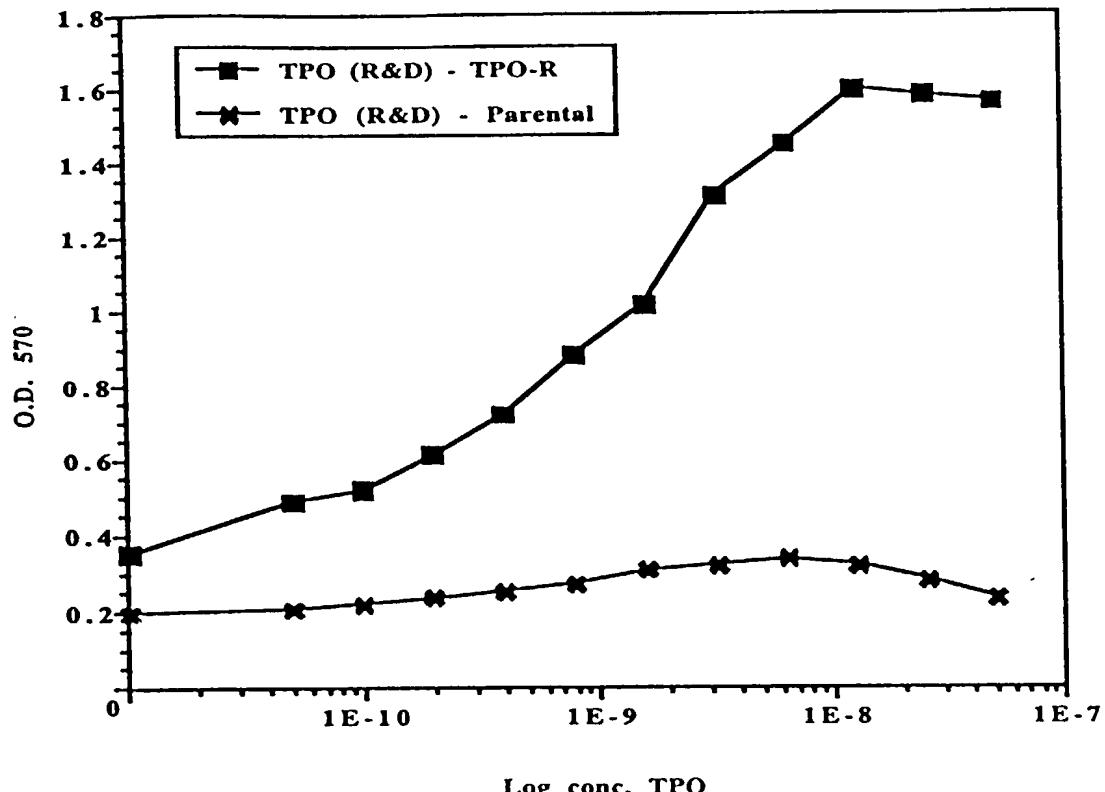
FIG. 2B

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Serial No.: To be assigned  
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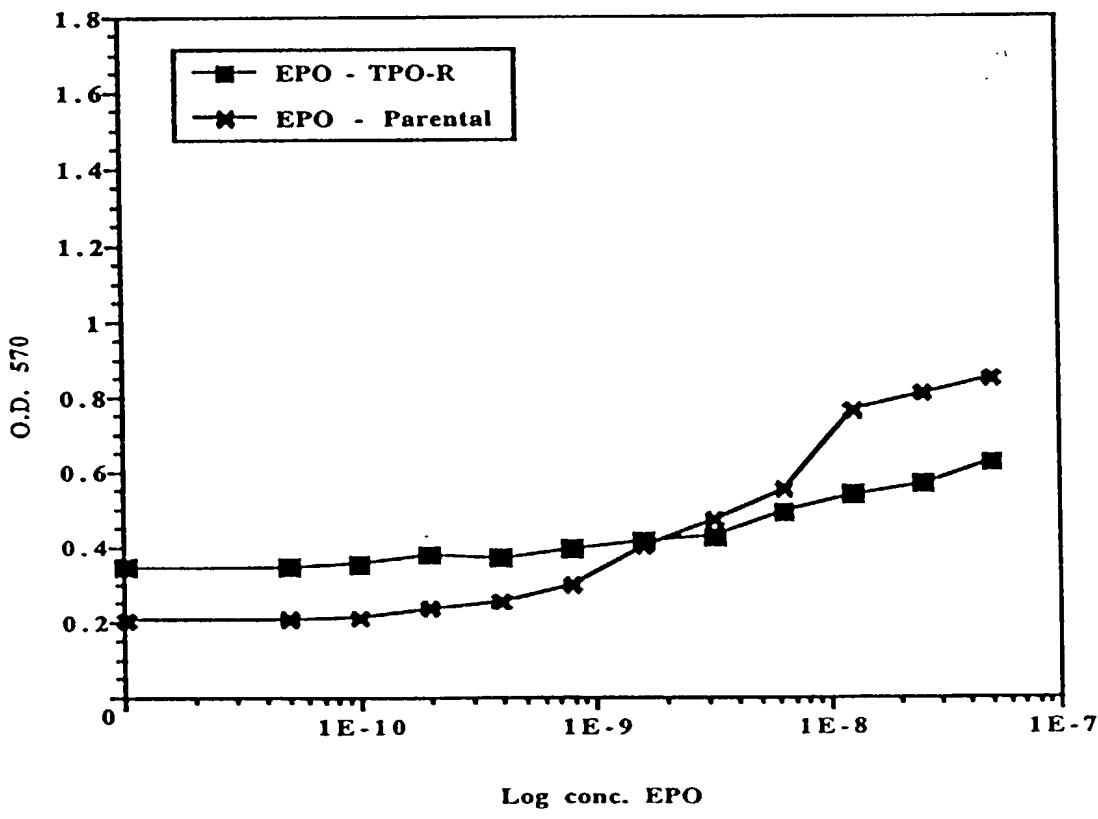


Log conc. SA

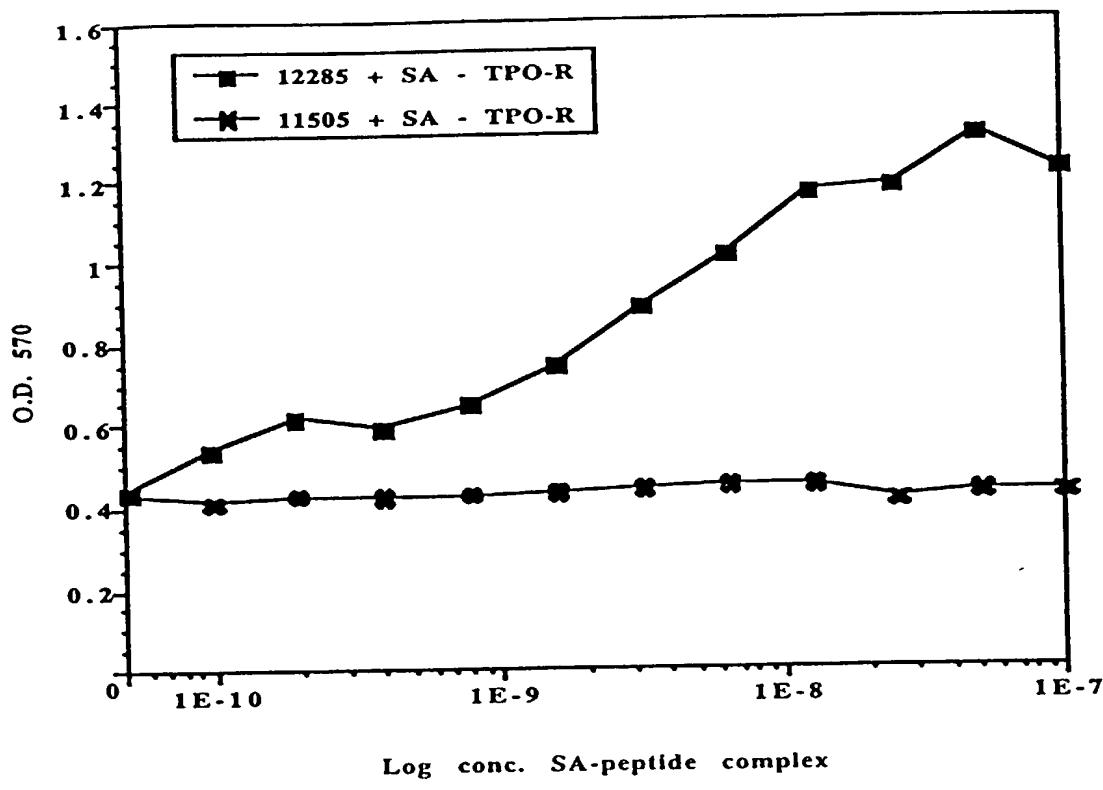
**FIG. 2C**



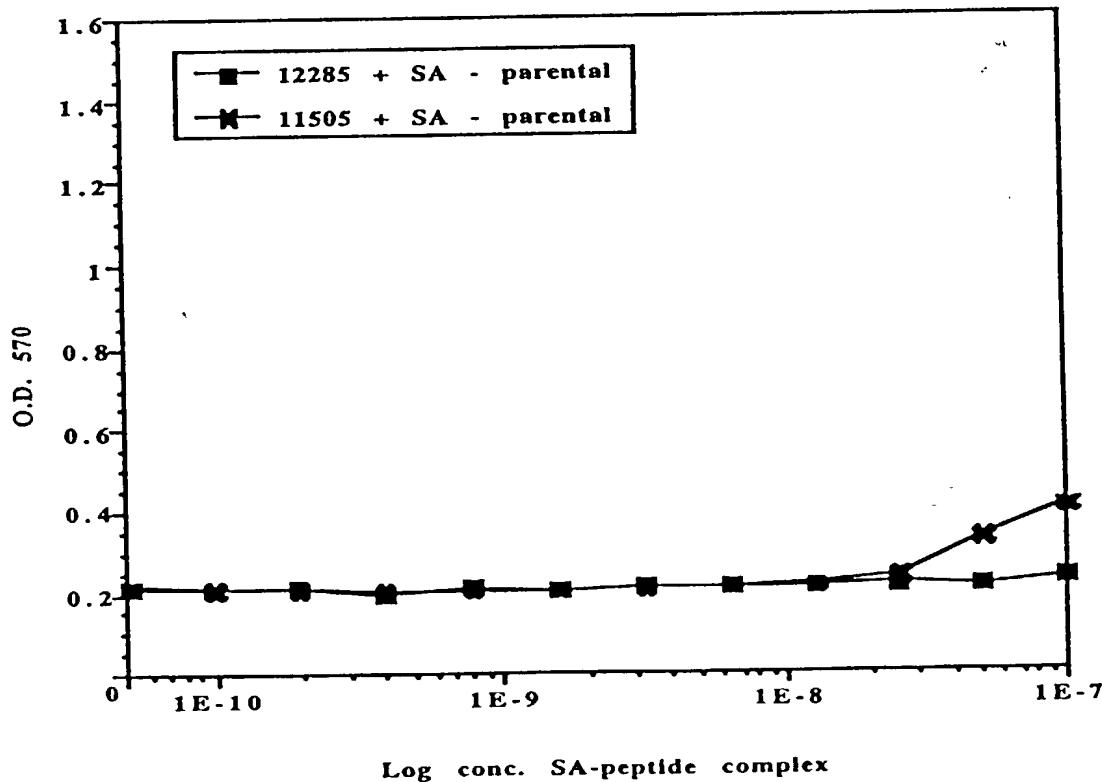
Log conc. TPO  
**FIG. 3A**



Log conc. EPO  
**FIG. 3B**



**FIG. 3C**



**FIG. 3D**

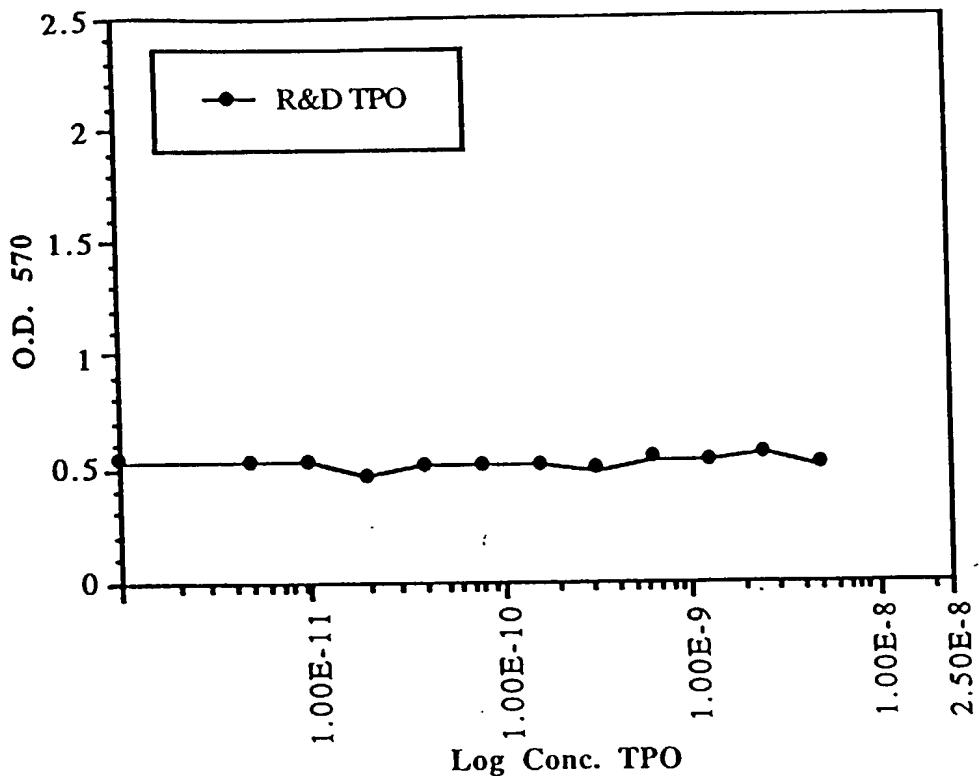


FIG. 3E

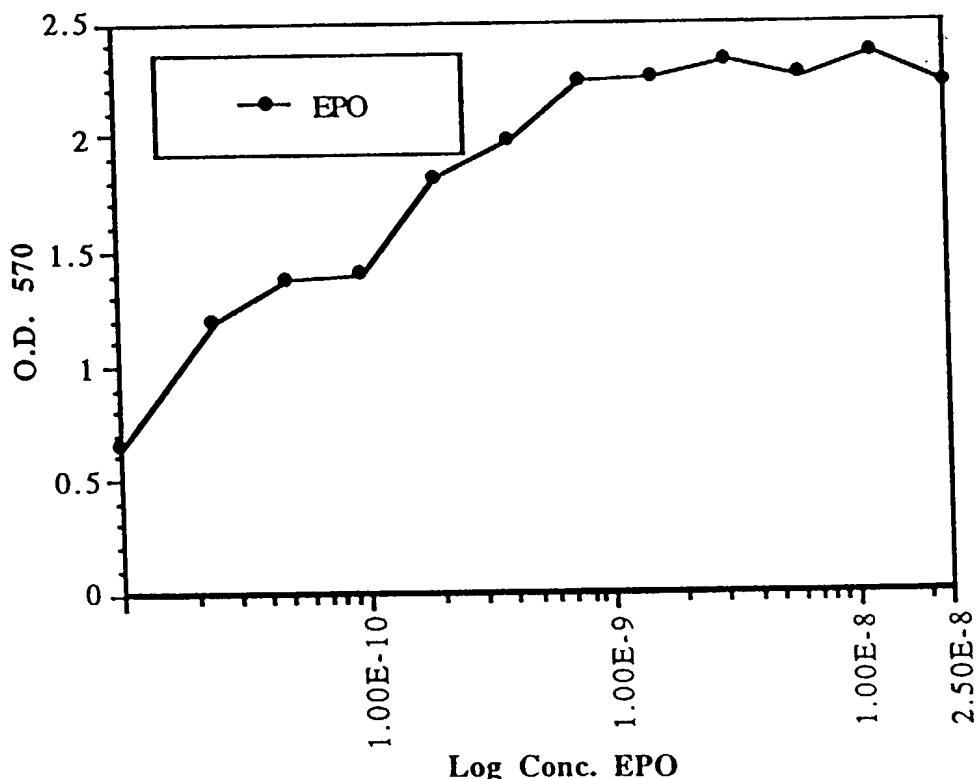
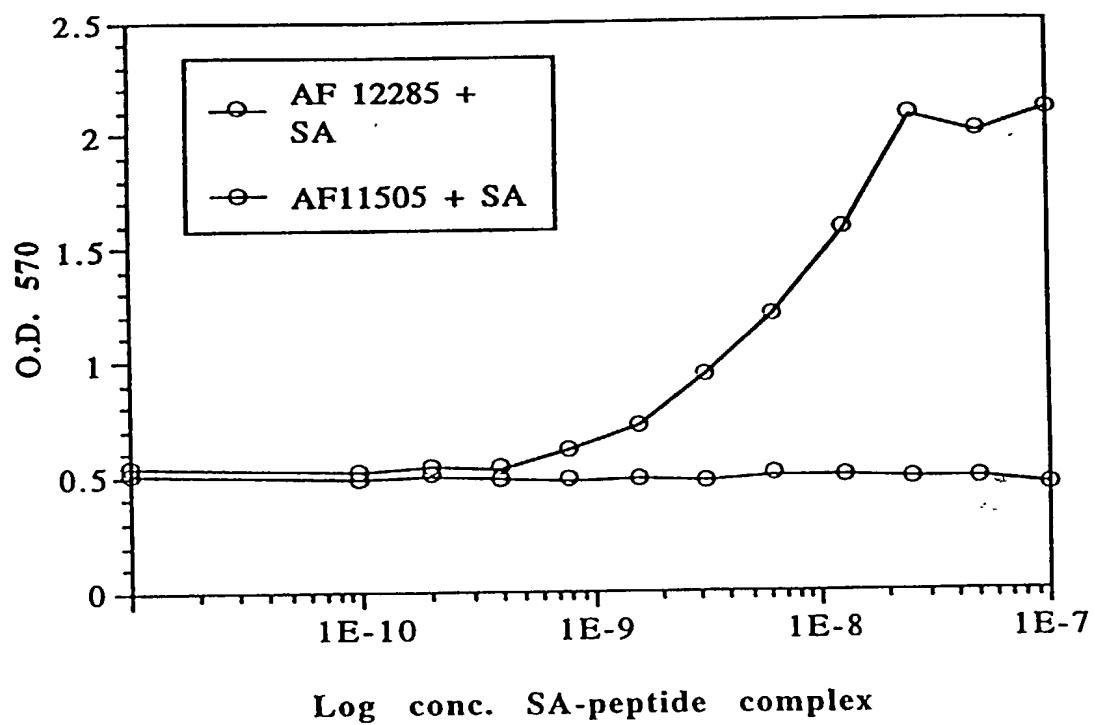
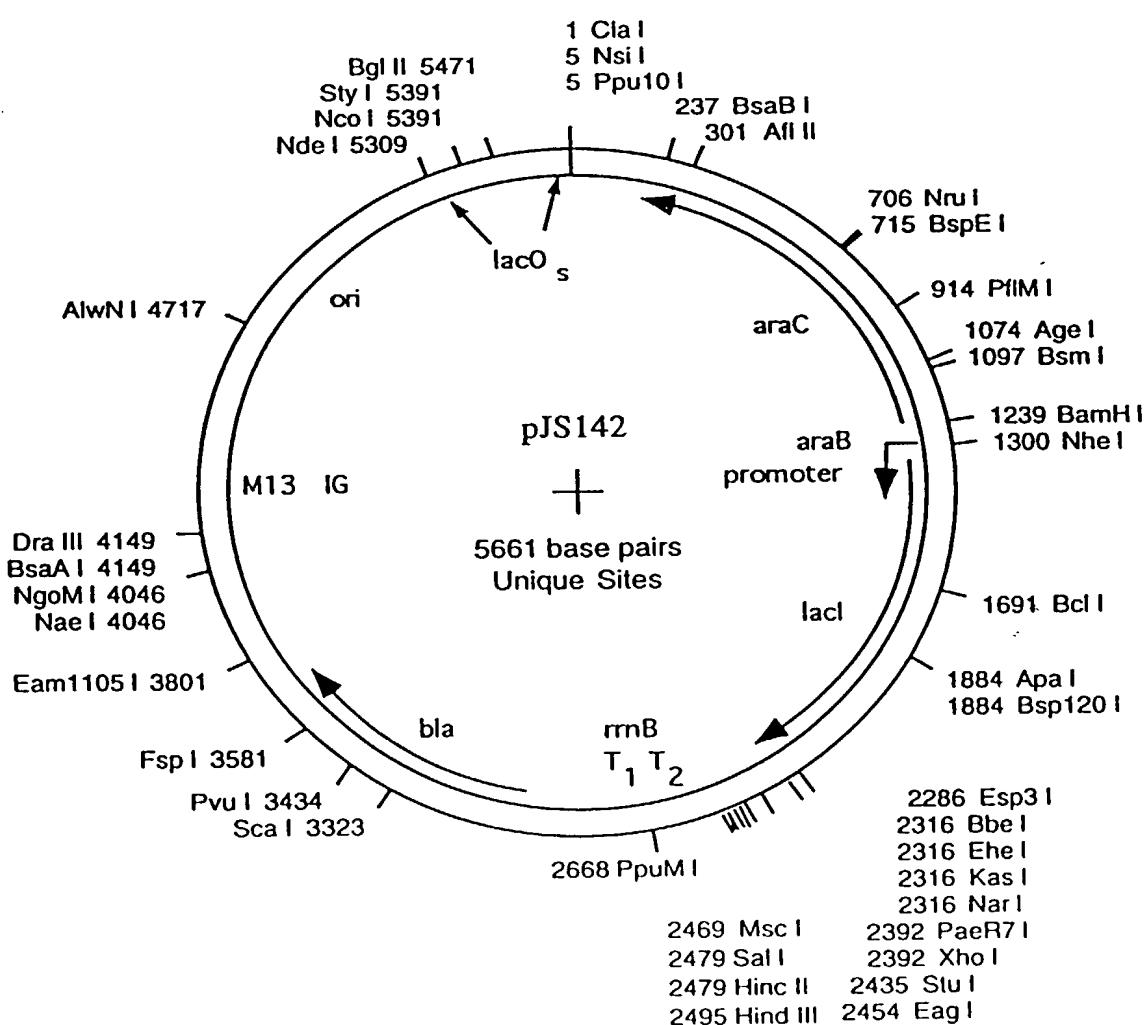


FIG. 3F



**FIG. 3G**



**FIG. 4A**

pJS142 Library Vector, cloning sites at 3' end of lacI gene:

```

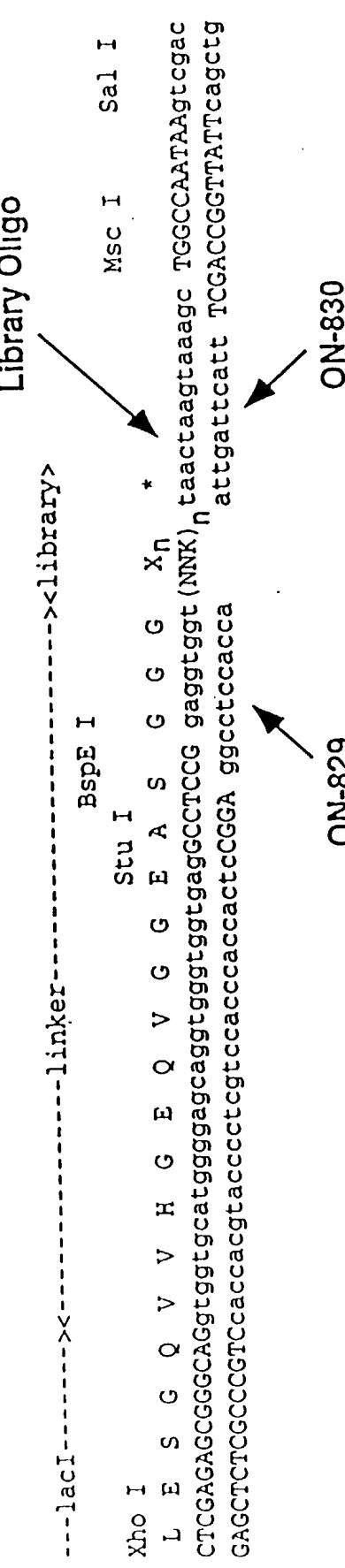
---lacI-----><-----linker----->
Xba I          Sfi I          Eag I          Sst I          Sal I
L E S G Q V V H G E Q V G G          Stu I          Hpa I          Sfi I          Msc I
          G G          G A S G          A V N G R G L          A G Q *
CTCGAGGGCAGgtggcatggaggaggatgggtggtagGCCCTCGGGGCTTAACGGGGCTAGCTGGCCAATAAGtcgac
GAGGCTCTGCCCCGTCaccacgttccaccaccactccGGAGGGCCGGCAATTGGCAATTTGGGATGACCCGGTATTcagctg

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FIG. 4B

וְלֹא יָכַל לִמְדָה מִתְּבוּנָה אֲלֵינוּ וְלֹא  
יָכַל לִמְדָה מִתְּבוּנָה אֲלֵינוּ וְלֹא



**FIG. 4C**

**pELM3/pELM15 MBP vector cloning sites:**

Sheet 10 of 15  
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Serial No.: To be assigned  
Applicant(s): DOWER et al.

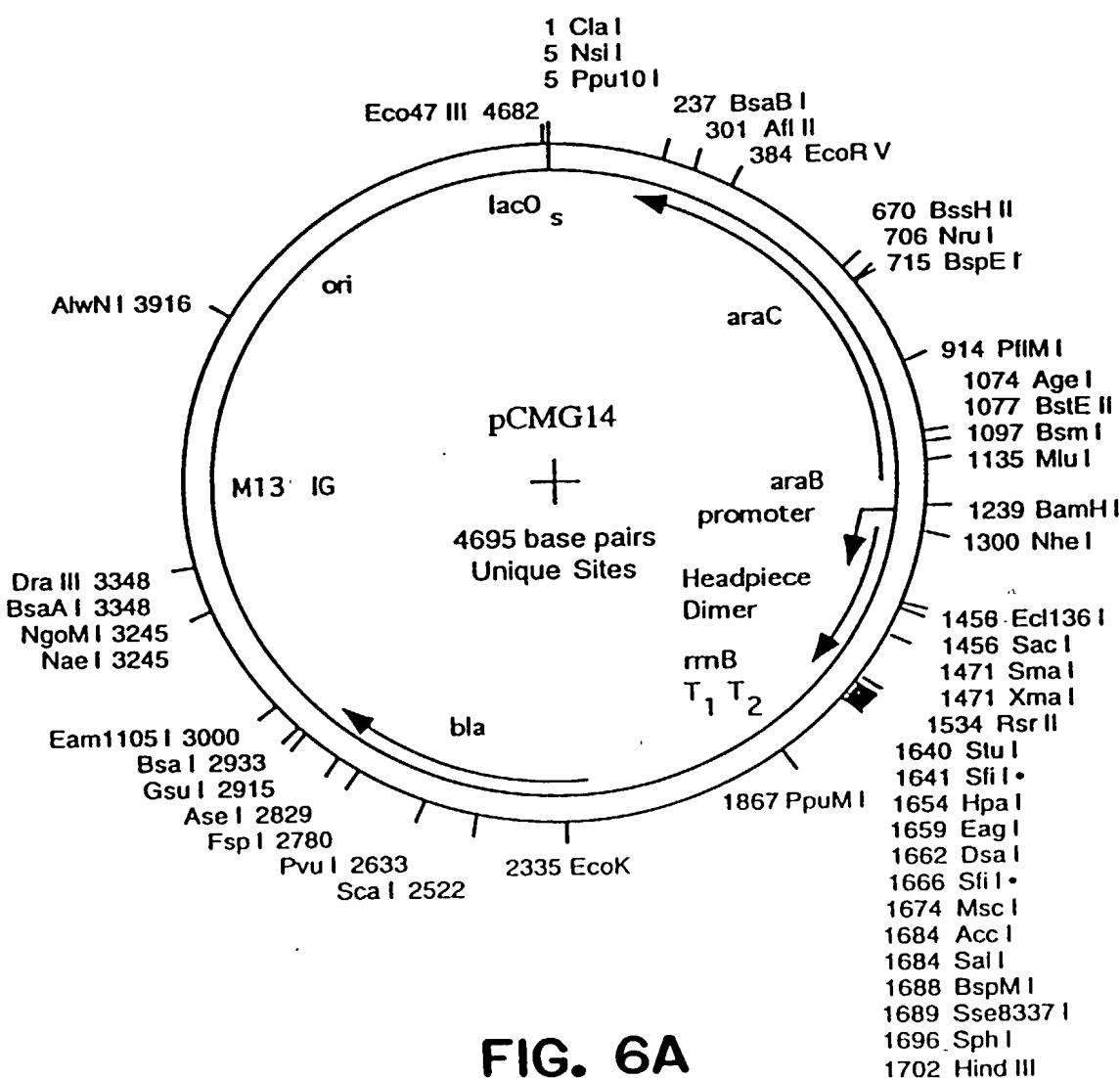
**FIG. 5A**

**pELM3/pELM15 after subcloning of library insert:**

Xa---> <----linker---> <library>

G R T G G X<sub>n</sub> \*  
 GGA AGG ACC GGT GGT (NNK)<sub>n</sub> TAA CTA AGT AAA GCT GGC CAA TAA GTC GA  
 CCC TCC TGG CCT CCA ATT GAT TCA TTT CGA CCG GTT ATT CAG C1

5B  
FIG.



**pCMG14 Library Vector, cloning sites at 3' end of Headpiece Dimer gene:**

-----Headpiece-----><-----linker----->

Sfi I	Eag I			
Stu I	Hpa I			
E A A M A E L N Y I P R S Q E A S G A V N G R * GAAGCGGCCATGGGGAGCTGAATTACATTCCCCgggtcgaggaggCCTCCGGCCGTTAACGGCCGTAGCTGGCCAATAAgtcgac CTTCGCCGCTACCGCCTCGACTTAATGTAAGGGccaggcgteetccGGAGGGccatttGCCCAGGGATCGACCAGGTATTcagctg	Sfi I	Msc I	A G Q	Sall
Sfi I	Msc I			
A G Q	Sall			

**FIG. 6B**

**Library Construction after SfiI digestion:**

-----Headpiece-----><-----linker-----><-----library----->

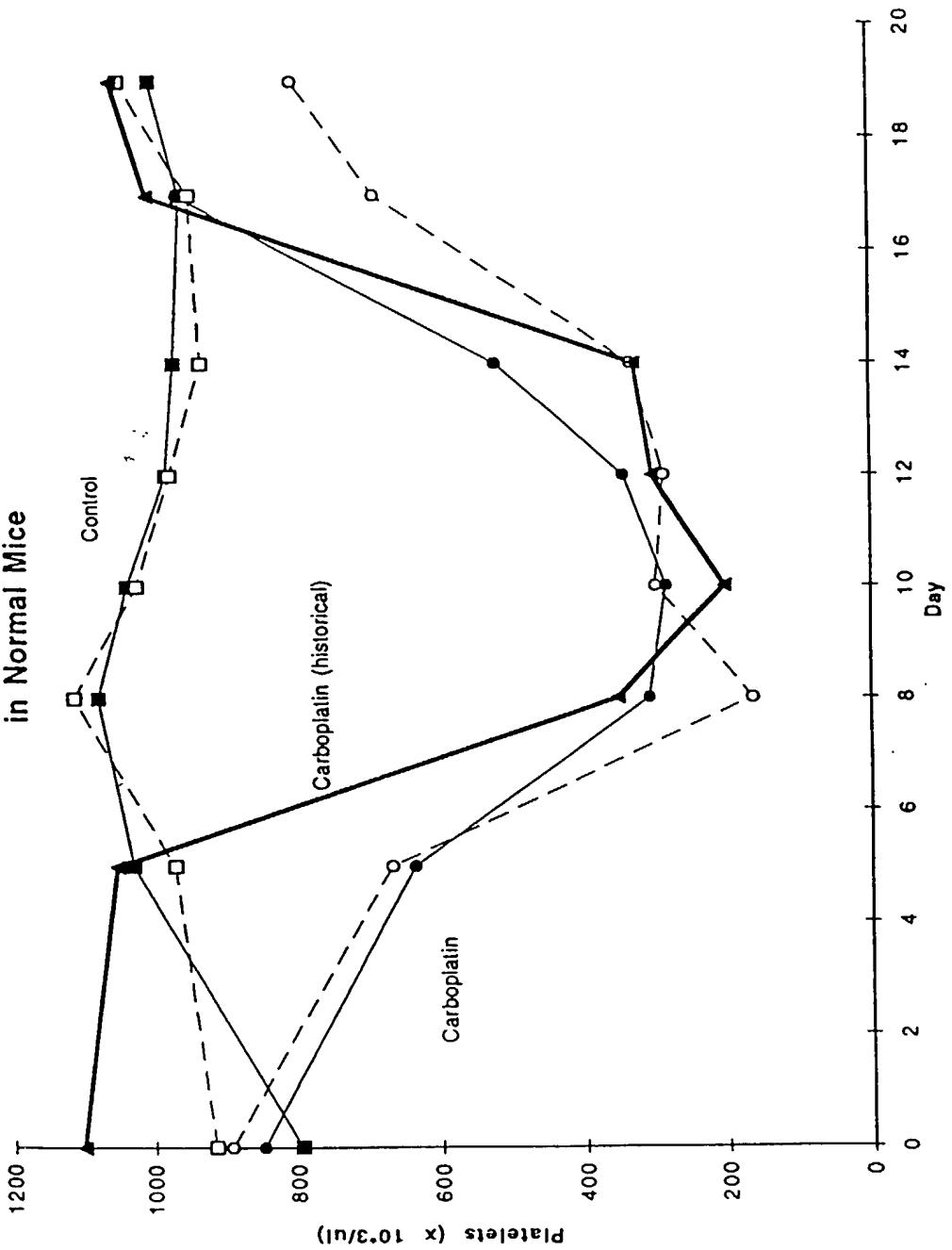
Xba I	BspE I	Msc I	Sal I
E A A M A E L N Y I P R S Q E A S G G G X12 *	GAAGCGGCCATGGGGAGCTGAATTACATTCCCCgggtcgaggaggCCTCCGGCCGTTAACGGCCGTAGCTGGCCAATAAgtcgac CTTCGCCGCTACCGCCTCGACTTAATGTAAGGGccaggcgteetccGGAGGGccatttGCCCAGGGATCGACCAGGTATTcagctg	Telomere: (NNK) <sub>12</sub> taacttaaggtaaagg TGGCCAATAAgtcgac	attggattcatt TCGACCCGGTTATTCagctg
Telomere: (NNK) <sub>12</sub> taacttaaggtaaagg TGGCCAATAAgtcgac	attggattcatt TCGACCCGGTTATTCagctg		
attggattcatt TCGACCCGGTTATTCagctg			

ON-1679  
ON-830  
ON-829

**FIG. 6C**



**Carboplatin-induced Thrombocytopenia  
in Normal Mice**



BALB/c mice were treated with carboplatin (125 mg/kg) on Day 0.

Dashed lines represent female mice.

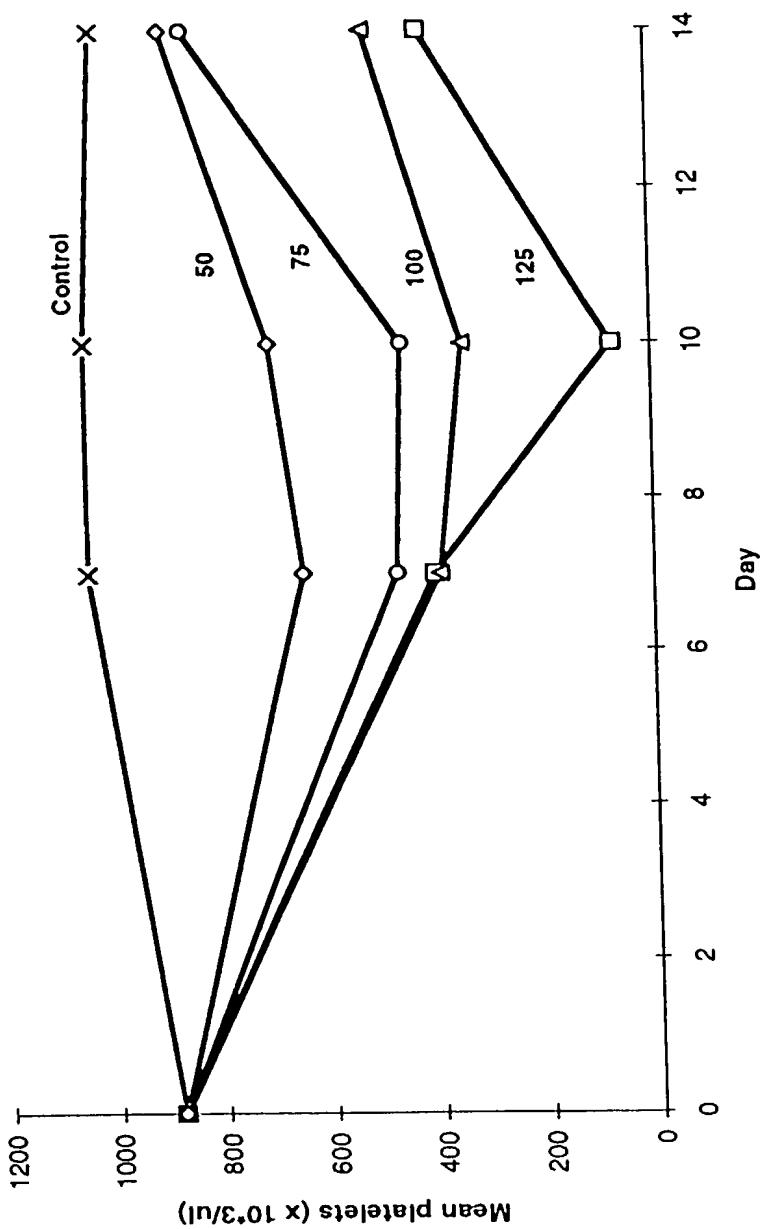
Solid lines represent male mice.

Bold line represents data published by Ulich, T. R., et al. Blood 86(3):971-976, 1995.

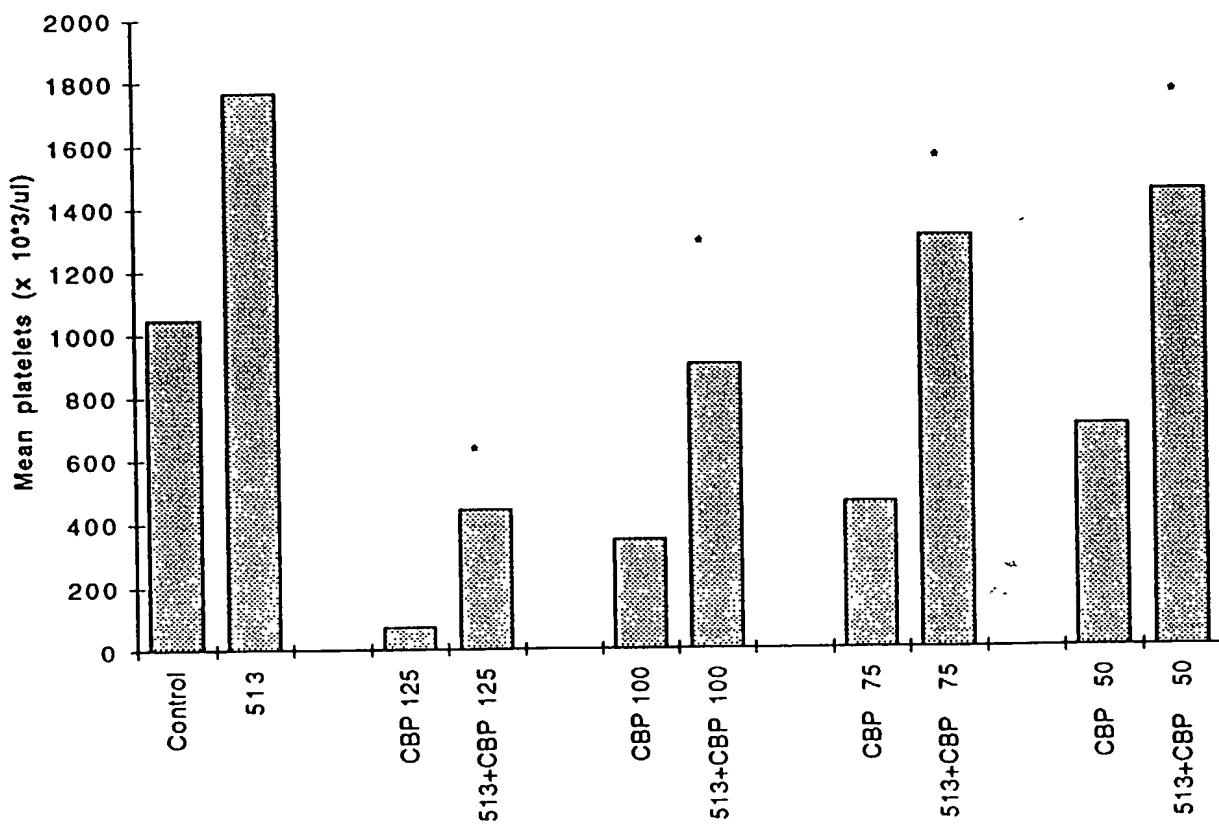
**FIG. 7**

**FIG. 8**

Carboplatin-induced Thrombocytopenia in Normal Mice:  
Single-dose Titration (mg/kg)



**Amelioration of Carboplatin-induced Thrombocytopenia by AF12513 (Day 10)**



Carboplatin (CBP; 125-50 mg/kg, ip) was given on Day 0.  
AF12513 (513; 1 mg/kg, ip) was given on Days 1-9.

$p < 0.05$

**FIG. 9**